Search... Log in Register

Tags

JavaScript is disabled. You are safe. However, not all site features work fully without JS. For example, you will not be able to watch our video tutorials.

Synthesis of Phenylacetic Acid: Comprehensive Guide

Translate Forum Content: Original (no translation)

Synthesis of Phenylacetic Acid

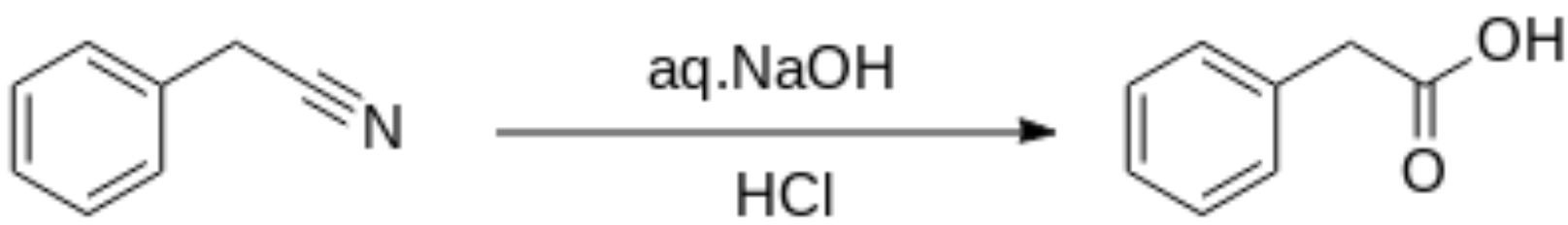
Equipment and glassware:

- Batch reactor with a thermoregulation jacket, top stirrer and thermometer;
- Nutsche-filter;
- Crystallization dishes;
- Centrifuge;
- Vacuum filtration system;

Reagents:

- Water 725 l;
- Sodium hydroxide (NaOH) 75 kg;
- Benzyl cyanide 300 kg;
- Hydrochloric acid (HCl aq 37%) 70 l;
- Activated carbon 14 kg;

Reaction Scheme



Synthesis

1. Water 650 l and sodium hydroxide (NaOH) 75 kg are added into a batch reactor.
2. Stirring is turned on for 2 h.
3. Benzyl cyanide 300 kg is added into the reactor.
4. The reaction mixture is maintained to a temperature 100 ℃.
5. The reaction mixture is stirred for 9 h.
6. Water 75 l is added into the reactor.
7. The reaction mixture is cooled down to 20 ℃.
8. Hydrochloric acid (HCl aq 37%) 70 l is poured into the reaction mixture in order to reach pH 6, temperature 20 ℃ has to be maintained.
9. Activated carbon 14 kg is then added to the mixture.
10. The reaction mixture is heated to a temperature 65 ℃.
11. This temperature is maintained with stirring for 30 min.
12. The reaction mixture is then moved into crystallization dishes through a nutsche filter.
13. Than, cooled down to temperature 10 ℃.
14. At this temperature and stirring, phenylacetic acid is released by 37% hydrochloric acid at pH 1-2.

NEW VIDEOS
Saccharic Acid Synthesis
Piperine Recrystallization

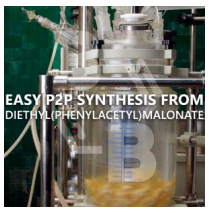
15. Phenylacetic acid crystallization takes about 2 h.
16. The reaction mass is moved to a centrifuge after crystallization, pressed and washed on a vacuum filter with cold water.

Phenylacetic acid and Lead Acetate (ii) Anyhdrous DESTRUCTIVE DISTILATION

Question

CAN SOMEONE PLEASE EXPLAIN TO ME HOW THIS DESTRUCTIVE DISTILLATION WORK HOW WHAT EQUIPEMENT DO I NEED AND HOW TO ATTATCH THE EQUIPEMENT this is the method : Lead Acetate Method : Place 1000g phenylacetic acid and 3000g anhydrous (or trihydrate) lead acetate in a distillation apparatus and...

CARLITOBRO · Thread · Sep 20, 2024 · lead · p2p · **phenylacetic acid** · Replies: 10 · Forum: Question-Answer



Easy P2P synthesis from Diethyl(phenylacetyl)malonate

Diethyl(phenylacetyl)malonate Hydrolysis to BMK and PAA (phenylacetone and phenylacetic acid). https://bbgate.com/threads/1-phenyl-2-propanone-p2p-synthesis-from-diethyl-phenylacetyl-malonate.1646/

Novator · Media item · Apr 12, 2023 · 1-phenyl-2-propanone · bmk · diethyl(phenylacetyl)malonate · hydrolysis · methamphetamine · p2p · paa · **phenylacetic acid** · phenylacetone · Comments: 19 · Category: Synthesis of Amphetamines (Phenylethylamines)

Phenylacetic acid from styrene, sulfur and ammonia

Autoclave volume 3L made from stainless steel tube 100mm diameter and wall thickness 5mm with MMA welding. Threaded tubes 1\2 welded to it. DO NOT USE COOPER AND ALUMINIUM ALLOYS FOR THIS SYNTESIS Into autoclave put 500ml styrene 1100ml 25% ammonia 450 gr sulfur. After filling autoclave closed...

shelom · Thread · Feb 20, 2022 · p2p · **phenylacetic acid** · styrene · Replies: 1 · Forum: Precursors

Synthesis of Phenylacetic Acid From Benzyl Cyanide (large scale)

Equipment and glassware: Batch reactor with a thermoregulation jacket, top stirrer and thermometer; Nutsche-filter; Crystallization dishes; Centrifuge; Vacuum filtration system; Reagents: Water 725 l; Sodium hydroxide (NaOH) 75 kg; Benzyl cyanide 300 kg; Hydrochloric acid (HCl aq 37%) 70 l...

William D. · Thread · Sep 7, 2021 · benzyl cyanide · benzylcyanide · **phenylacetic acid** · Replies: 4 · Forum: Precursors

Tags

ABOUT US

Our team brings together the best specialists from different fields.

We are ready to share our experience, discuss difficult issues and find new solutions.

MIRROR LINKS

- Clearnet
- TOR (Onion)

HELP PAGES

- Rules
- Escrow
- Contact us

FOLLOW US

- Telegram
- deepweb.net
- Twitter

POPULAR TAGS

- BMK Glycidate
- Ephedrine
- 2-Bromo-4'-methylpropiophenone
- 4-AcO-DMT
- LSD-25
- LSA
- JWH-018
- 5-MeO-Tryptamine
- Methamphetamine
- Ayahuasca
- Bufotenine (5-OH-DMT)
- Hashish
- THC-O-Acetate
- Cannabidiol
- SGT-263
- DMT
- PMK
- UR-144
- Dextroamphetamine
- Mescaline
- ADBICA (ADB-PICA)
- BMK Purification
- Phenyl-2-Nitropropene
- Amphetamine
- Methylamine
- Cathinone
- Nitromethane
- Phenylacetic Acid

NEW VIDEOS

Saccharic Acid Synthesis
Piperine Recrystallization

- Mephedrone Purification
- Methylphenidat
- 1-Phenyl-2-propanone
- Mephedrone
- 3-(1-Naphthoyl)indole
- Psilocybin
- Ecstasy
- P2NP
- α-PVP
- MDMA

NEW VIDEOS

Saccharic Acid Synthesis
Piperine Recrystallization